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...application. For emerging ultra- wideband (UWB) applications, the key active components...implementation issues for the FCC-allowed UWB system. The design of LNA, which is...Measurements are demonstrated for an energy-thrifty UWB receiver based on an MB-OFDM system...
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August, Nathaniel John , Aug 2005
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Anderson, Christopher Robert , Nov 2006
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☐ 4. **Bandpass filter and wireless communications equipment using same**
Ninomiya, Hiroshi / Nakamata, Katsurou (KYOCERA CORPORATION), *UNITED STATES PATENT AND TRADEMARK OFFICE PRE-GRANT PUBLICATION*, Nov 2006
patno:US20060255886
...since a bandpass filter according to the...GHz for a bandpass filter used for UWB, too great capacitances...1 GHz-10.6 GHz in UWB. Generally, a resonator...the vicinity of the resonant frequency can be...passband of a bandpass filter using a resonator...

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☐ 5. **thesis_first.book** [PDF-3MB]
Oct 2006
...LC-based bandpass filters. The modeled and...LC-based bandpass filter with CMOS-MEMS tunable...Ultra-Wide Band (UWB) with an insertion loss lower than 4 dB. The filter is fab- ricated in...Bandwidth (BW) and Resonant Frequencies...

[http://www.ece.cmu.edu/~mems/pubs/pdfs/ece/ms_thesis/0...]
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6. Tunable Microwave Devices Using BST(Barium Strontium Titanate)And Base Metal
Electrodes
Ghosh, Dipankar , Nov 2005
...of an ideal lossless filter showing the insertion loss (S21) and the return...
Experimental data for 3rd order filter's insertion and return loss with change in applied...
Experimental data for 5th order filter's insertion and return loss with change in applied...
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7. Frequency agile RF/microwave circuits using BST varactors
Jin, Zhang , Jan 2004
...resonators are used in the filter. BST capacitors are...BST capacitance, the filter skirt
sharpness increases...increases but the insertion loss increases. Different filter
specifications are achieved...form multiple parallel resonant circuits. Unlike other...
Full text thesis available via NDLTD (North Carolina State University)
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8. Design of a 3.1-4.8 GHZ RF front-end for an ultra wideband receiver
Sharma, Pushkar, 1981- , Aug 2006
...and 480 Mbps. Initially, UWB mode I devices using only...achieved using LC band-pass
filter. To obtain high gain with...Frequency spectrum used for UWB mode I devices...3
Fig 1.4 A UWB receiver prototype...Third order band-pass filter...
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9. Piezoelectric film laminate and method of manufacturing the same, surface acoustic wave
device, frequency filter, oscillator, electronic circuit, and electronic instrument
Higuchi, Takamitsu / Kijima, Takeshi / Ueno, Mayumi (SEIKO EPSON
CORPORATION), *EUROPEAN PATENT APPLICATION*, Oct 2006
patno:EP1708289
...device as a high frequency filter, a high electromechanical...passband with a small loss
and a wide bandwidth...factor is used for an RF filter for which an increase in band and a
decrease in loss in the passband are required...frequency is used for an IF filter for
which stable temperature...

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10. Lead zirconate titanate niobate film, lead zirconate titanate niobate laminate and method
of manufacturing the same, surface acoustic wave device, frequency filter, oscillator,
electronic circuit, and electronic instrument
Kijima, Takeshi / Higuchi, Takamitsu (SEIKO EPSON CORPORATION), *EUROPEAN
PATENT APPLICATION*, Sep 2006
patno:EP1705700
...provides a frequency filter having any one of...above the frequency filter and the
above oscillator...film 12 has a small energy loss at the crystal grain...small propagation
loss of surface acoustic...the crystallization energy of PZTN. Specifically...

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